



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
401 M Street, S.W.
WASHINGTON, D.C. 20460

Form Approved OMB No. 2070-0060

Paperwork Reduction Act Notice: The public reporting burden for this collection of information is estimated to average 0.25 hours per response for registration activities and 0.25 hours per response for reregistration and special review activities, including time for reading the instructions and completing the necessary forms. Send comments regarding the burden estimate or any other aspect of this collection of information, including suggestions for reducing the burden to: Director, OPPE Information Management Division (2137), U.S. Environmental Protection Agency, 401 M Street, S.W., Washington, DC 20460. Do not send the form to this address.

DATA MATRIX

Date June 28, 2007			EPA Reg No./File Symbol 69361-		Page 1 of 7
Applicant's/Registrant's Name & Address Repar Corporation P.O. Box 4321 Silver Spring, MD 20914			Product HOMOBRASSINOLIDE TECHNICAL		
Ingredient Homobrassinolide (CAS # 80483-89-2)					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
880.1100	Product Identity and Composition		Repar Corporation	OWN	
			P.O. Box 4321 Silver Spring, MD 20914		
880.1200	Description of Starting Materials, Production and		Repar Corporation	OWN	
	Formulation Process		Repar Corporation	OWN	
880.1400	Discussion of Formation of Impurities		Repar Corporation	OWN	
830.1700	Preliminary Analysis		Repar Corporation	OWN	
830.1750	Certified Limits		Repar Corporation	OWN	
830.1800	Enforcement Analytical Method		Repar Corporation	OWN	
830.6302	Color		Repar Corporation	OWN	
830.6303	Physical State		Repar Corporation	OWN	
830.6304	Odor		Repar Corporation	OWN	
830.6313	Stability to Normal & Elevated Temperatures, Metals		Repar Corporation	OWN	
	and Metal Ions			OWN	
830.6314	Oxidation/Reduction: Chemical Incompatibility		Repar Corporation	OWN	
Signature N. Bhushan Mandava			Name and Title N. Bhushan Mandava, Ph.D., Agent for Repar Corporation		Date June 28, 2007



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Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
830.6315	Flammability		Repar Corporation		Not Required
830.6316	Explodability		Repar Corporation		Not Required
830.6317	Storage Stability		Repar Corporation	OWN	
830.6319	Miscibility		Repar Corporation	OWN	
830.6320	Corrosion Characteristics		Repar Corporation	OWN	
830.6321	Dielectric Breakdown Voltage		Repar Corporation	OWN	
830.7000	pH		Repar Corporation	OWN	
830.7050	UV/Visible Absorption		Repar Corporation	OWN	
830.7100	Viscosity		Repar Corporation	OWN	
830.7200	Melting Point/Melting Range		Repar Corporation	OWN	
830.7220	Boiling Point/Boiling Range		Repar Corporation	OWN	
830.7300	Density/Relative Density/Bulk Density		Repar Corporation	OWN	
830.7370	Dissociation Constants in Water		Repar Corporation	OWN	
830.7550	Partition Coefficient (n-octanol/water), Shake Flask Method		Repar Corporation	OWN	
Signature N. Bhushan Mandava			Name and Title N. Bhushan Mandava, Ph.D., Agent for Repar Corporation		Date June 28, 2007



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Ingredient Homobrassinolide (CAS # 80483-89-2)					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
830.7560 (63-11)	Partition Coefficient (n-octanol/water),		Repar Corporation	OWN	
	Generator Column Method				
830.7570 (63-11)	Partition Coefficient (n-octanol/water),		Repar Corporation	OWN	
	Estimation by Liquid Chromatography				
830.7840 (63-8)	Water Solubility: Column Elution Method;		Repar Corporation	OWN	
	Shake Flask Method				
830.7860 (63-8)	Water Solubility, Generator Column Method		Repar Corporation	OWN	
830.7950 (63-9)	Vapor Pressure		Repar Corporation	OWN	
870.1100 (81-1)	Acute Oral Toxicity		Repar Corporation	OWN	
870.1200 (81-2)	Acute Dermal Toxicity		Repar Corporation	OWN	
870.1300 (81-3)	Acute Inhalational Toxicity		Repar Corporation	OWN	
870.2400 (81-4)	Acute Eye Irritation		Repar Corporation	OWN	
870.2500 (81-5)	Acute Dermal Toxicity		Repar Corporation	OWN	
870.2600 (81-6)	Skin Sensitization		Repar Corporation	OWN	
Signature <i>N. Bhushan Mandava</i>			Name and Title N. Bhushan Mandava, Ph.D., Agent for Repar Corporation		Date June 28, 2007



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Repar Corporation P.O. Box 4321 Silver Spring, MD 20914

Product

HOMOBRASSINOLIDE TECHNICAL

Ingredient Homobrassinolide (CAS # 80483-89-2)

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
870.5100 (84-2)	Studies to Determine Genotoxicity - Bacterial Reverse		Repar Corporation	OWN	
	Mutation Study				
870.5300 (84-2)	Studies to Determine Genotoxicity - in vitro Mammalian		Repar Corporation	OWN	
	Cell Gene Mutation Test				
870.5550 (84-2)	Studies to Determine Genotoxicity - Unscheduled DNA		Repar Corporation	OWN	
	Synthesis in Mammalian Cells in Culture				
870.5375 (84-2)	Studies to Determine Genotoxicity - in vitro Mammalian		Repar Corporation	OWN	Waiver Request
	Chromosomal Aberration Test				
870.5385 (84-2)	Studies to Determine Genotoxicity - Mammalian Bone		Repar Corporation	OWN	
	Marrow Chromosomal Aberration Test				
870.5395 (84-2)	Studies to Determine Genotoxicity - Mammalian		Repar Corporation	OWN	
	Erythrocyte Micronucleus Test				
880.3550 (152-18)	Immunotoxicity		Repar Corporation	OWN	Waiver Request
870.3100 (82-1)	90- Day Oral Toxicity (Rat)		Repar Corporation	OWN	
870.3250 (82-3)	90- Day Dermal Toxicity (Rat)		Repar Corporation	OWN	Waiver Request

Signature

N. Bhushan Mandava

Name and Title

N. Bhushan Mandava, Ph.D., Agent for Repar Corporation

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Product

HOMOBRASSINOLIDE TECHNICAL

Ingredient Homobrassinolide (CAS # 80483-89-2)

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
870.3465 (82-4)	90 - Day Inhalation Study (Rat)		Repar Corporation	OWN	Waiver Request
870.3700 (83-3)	Teratogenicity (One Species)		Repar Corporation	OWN	Waiver Request
880.3800 (152-24)	Immune Response		Repar Corporation	OWN	Waiver Request
870.4100 (83-1)	Chronic Exposure		Repar Corporation	OWN	Waiver Request
870.4200 (83-2)	Carcinogenicity		Repar Corporation	OWN	Waiver Request
860.1100 (153-3)	Chemical Identity		Repar Corporation	OWN	
860.1200 (171-3)	Directions for Use		Repar Corporation	OWN	
860.1300 (171-4(a))	Nature of the Residue in Plants		Repar Corporation	OWN	
860.1300 (171-4(b))	Nature of the Residue in Livestock		Repar Corporation	OWN	
860.1340 (171-4(c, d))	Residue Analytical Method		Repar Corporation	OWN	
860.1400 (171-4 (f,g, h))	Magnitude of Residue: Water, Fish & Irrigated Crops		Repar Corporation	OWN	
860.1460 (171-4 (i))	Magnitude of Residue: Food Handling Establishments		Repar Corporation	OWN	
860.1480 (171-4 (j))	Magnitude of Residue: Meat/Milk/Poultry/Eggs		Repar Corporation	OWN	

Signature

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Ingredient Homobrassinolide (CAS # 80483-89-2)					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
860.1500 {171-4 (j)}	Magnitude of Residue - Crop Field Trials		Repar Corporation	OWN	
860.1520	Magnitude of the Residue - Processed Food Feed		Repar Corporation	OWN	
860.1550	Magnitude of the Residue - Proposed Tolerance or		Repar Corporation	OWN	
	Exemption				
860.1560	Magnitude of the Residue - Reasonable Grounds in		Repar Corporation	OWN	
	Support of the Petition				
850.2100 (154-6)	Acute Avian Oral Toxicity: Quail or Duck		Repar Corporation	OWN	Waiver Request
850.2200 (154-7)	Acute Avian Dietary Toxicity: Quail		Repar Corporation	OWN	Waiver Request
850.1075 (154-8)	Freshwater Fish LC50		Repar Corporation	OWN	
850.1010 (154-9)	Freshwater Invertebrate LC50		Repar Corporation	OWN	
850.4000 (154-10)	Nontarget Plant Studies		Repar Corporation	OWN	
154-11	Nontarget Insect Studies		Repar Corporation	OWN	
860.1460 {171-4 (i)}	Magnitude of Residue: Food Handling Establishments		Repar Corporation	OWN	
860.1480 {171-4 (j)}	Magnitude of Residue: Meat/Milk/Poultry/Eggs		Repar Corporation	OWN	
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Product

HOMOBASSINOLIDE TECHNICAL

Ingredient Homobassinolide (CAS # 80483-89-2)

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
155-4	Tier II: Volatility		Repar Corporation	OWN	
155-5	Tier II: Dispenser - Water Leaching		Repar Corporation	OWN	
155-6	Tier II: Adsorption - Desorption		Repar Corporation	OWN	
155-7	Tier II: Octanol/Water Partition Coefficient		Repar Corporation	OWN	
155-8	Tier II: U.V. Absorption		Repar Corporation	OWN	
155-9	Tier II: Hydrolysis		Repar Corporation	OWN	
155-10	Tier II: Aerobic Soil Metabolism		Repar Corporation	OWN	
155-11	Tier II: Aerobic Aquatic Metabolism		Repar Corporation	OWN	
155-12	Tier II: Soil Photolysis		Repar Corporation	OWN	
155-13	Tier II: Aquatic Photolysis		Repar Corporation	OWN	
154-12	Tier III: Terrestrial Wildlife Testing		Repar Corporation	OWN	
154 - 13	Tier III: Aquatic Animal Testing		Repar Corporation	OWN	
154-14	Tier III: Nontarget Plant Studies		Repar Corporation	OWN	
154-15	Tier III: Nontarget Insect Studies		Repar Corporation	OWN	

Signature

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